

Table 6.4 U.S. Renewable Energy Consumption by Source, 1949-2005
Trillion Btu

| Year | Conventional Hydroelectric Power | Biomass | | | Geothermal | Solar | Wind | Total Renewables | Total Fossil Fuels | Overall Total (including Nuclear) | Percent Renewable (excluding Hydro.) | Percent Renewable | Percent Fossil Fuel |
|------|--|---------|-------|------------------|------------|-------|-------|---------------------|-----------------------|---|---|----------------------|---------------------------|
| | | Wood | Waste | Alcohol Fuels | | | | | | | | | |
| 1949 | 1,425 | 1,549 | na | na | na | na | 2,974 | 29,002 | 31,982 | 4.8% | 9.3% | 90.7% | |
| 1950 | 1,415 | 1,562 | na | na | na | na | 2,978 | 31,632 | 34,616 | 4.5% | 8.6% | 91.4% | |
| 1951 | 1,424 | 1,535 | na | na | na | na | 2,958 | 34,008 | 36,974 | 4.2% | 8.0% | 92.0% | |
| 1952 | 1,466 | 1,474 | na | na | na | na | 2,940 | 33,800 | 36,748 | 4.0% | 8.0% | 92.0% | |
| 1953 | 1,413 | 1,419 | na | na | na | na | 2,831 | 34,826 | 37,664 | 3.8% | 7.5% | 92.5% | |
| 1954 | 1,360 | 1,394 | na | na | na | na | 2,754 | 33,877 | 36,639 | 3.8% | 7.5% | 92.5% | |
| 1955 | 1,360 | 1,424 | na | na | na | na | 2,784 | 37,410 | 40,208 | 3.5% | 6.9% | 93.0% | |
| 1956 | 1,435 | 1,416 | na | na | na | na | 2,851 | 38,888 | 41,754 | 3.4% | 6.8% | 93.1% | |
| 1957 | 1,516 | 1,334 | na | na | na | na | 2,849 | 38,926 | 41,787 | 3.2% | 6.8% | 93.2% | |
| 1958 | 1,592 | 1,323 | na | na | na | na | 2,915 | 38,717 | 41,645 | 3.2% | 7.0% | 93.0% | |
| 1959 | 1,548 | 1,353 | na | na | na | na | 2,901 | 40,550 | 43,466 | 3.1% | 6.7% | 93.3% | |
| 1960 | 1,608 | 1,320 | na | na | 1 | na | 2,929 | 42,137 | 45,087 | 2.9% | 6.5% | 93.5% | |
| 1961 | 1,656 | 1,295 | na | na | 2 | na | 2,953 | 42,758 | 45,739 | 2.8% | 6.5% | 93.5% | |
| 1962 | 1,816 | 1,300 | na | na | 2 | na | 3,119 | 44,681 | 47,828 | 2.7% | 6.5% | 93.4% | |
| 1963 | 1,771 | 1,323 | na | na | 4 | na | 3,098 | 46,509 | 49,646 | 2.7% | 6.2% | 93.7% | |
| 1964 | 1,886 | 1,337 | na | na | 5 | na | 3,228 | 48,543 | 51,817 | 2.6% | 6.2% | 93.7% | |
| 1965 | 2,059 | 1,335 | na | na | 4 | na | 3,398 | 50,577 | 54,017 | 2.5% | 6.3% | 93.6% | |
| 1966 | 2,062 | 1,369 | na | na | 4 | na | 3,435 | 53,514 | 57,017 | 2.4% | 6.0% | 93.9% | |
| 1967 | 2,347 | 1,340 | na | na | 7 | na | 3,694 | 55,127 | 58,908 | 2.3% | 6.3% | 93.6% | |
| 1968 | 2,349 | 1,419 | na | na | 9 | na | 3,778 | 58,502 | 62,419 | 2.3% | 6.1% | 93.7% | |
| 1969 | 2,648 | 1,440 | na | na | 13 | na | 4,102 | 61,362 | 65,621 | 2.2% | 6.3% | 93.5% | |
| 1970 | 2,634 | 1,429 | 2 | na | 11 | na | 4,076 | 63,522 | 67,844 | 2.1% | 6.0% | 93.6% | |
| 1971 | 2,824 | 1,430 | 2 | na | 12 | na | 4,268 | 64,596 | 69,289 | 2.1% | 6.2% | 93.2% | |
| 1972 | 2,864 | 1,501 | 2 | na | 31 | na | 4,398 | 67,696 | 72,704 | 2.1% | 6.0% | 93.1% | |
| 1973 | 2,861 | 1,527 | 2 | na | 43 | na | 4,433 | 70,316 | 75,708 | 2.1% | 5.9% | 92.9% | |
| 1974 | 3,177 | 1,538 | 2 | na | 53 | na | 4,769 | 67,906 | 73,991 | 2.2% | 6.4% | 91.8% | |
| 1975 | 3,155 | 1,497 | 2 | na | 70 | na | 4,723 | 65,355 | 71,999 | 2.2% | 6.6% | 90.8% | |
| 1976 | 2,976 | 1,711 | 2 | na | 78 | na | 4,768 | 69,104 | 76,012 | 2.4% | 6.3% | 90.9% | |
| 1977 | 2,333 | 1,837 | 2 | na | 77 | na | 4,249 | 70,989 | 78,000 | 2.5% | 5.4% | 91.0% | |
| 1978 | 2,937 | 2,036 | 1 | na | 64 | na | 5,039 | 71,856 | 79,986 | 2.6% | 6.3% | 89.8% | |
| 1979 | 2,931 | 2,150 | 2 | na | 84 | na | 5,166 | 72,892 | 80,903 | 2.8% | 6.4% | 90.1% | |
| 1980 | 2,900 | 2,483 | 2 | na | 110 | na | 5,494 | 69,984 | 78,289 | 3.3% | 7.0% | 89.4% | |
| 1981 | 2,758 | 2,495 | 88 | 7 | 123 | na | 5,471 | 67,750 | 76,342 | 3.6% | 7.2% | 88.7% | |
| 1982 | 3,266 | 2,477 | 119 | 19 | 105 | na | 5,985 | 64,036 | 73,253 | 3.7% | 8.2% | 87.4% | |
| 1983 | 3,527 | 2,639 | 157 | 35 | 129 | na | 6,488 | 63,290 | 73,101 | 4.1% | 8.9% | 86.6% | |
| 1984 | 3,386 | 2,629 | 208 | 43 | 165 | 0 | 6,431 | 66,617 | 76,736 | 4.0% | 8.4% | 86.8% | |
| 1985 | 2,970 | 2,576 | 236 | 52 | 198 | 0 | 6,033 | 66,221 | 76,469 | 4.0% | 7.9% | 86.6% | |
| 1986 | 3,071 | 2,518 | 263 | 60 | 219 | 0 | 6,132 | 66,148 | 76,782 | 4.0% | 8.0% | 86.2% | |
| 1987 | 2,635 | 2,465 | 289 | 69 | 229 | 0 | 5,687 | 68,626 | 79,225 | 3.9% | 7.2% | 86.6% | |
| 1988 | 2,334 | 2,552 | 315 | 70 | 217 | 0 | 5,489 | 71,660 | 82,844 | 3.8% | 6.6% | 86.5% | |
| 1989 | 2,837 | 2,637 | 354 | 71 | 317 | 55 | 6,294 | 73,023 | 84,957 | 4.1% | 7.4% | 86.0% | |
| 1990 | 3,046 | 2,191 | 408 | 63 | 336 | 60 | 6,133 | 72,460 | 84,704 | 3.6% | 7.2% | 85.5% | |
| 1991 | 3,016 | 2,190 | 440 | 73 | 346 | 63 | 6,158 | 71,996 | 84,643 | 3.7% | 7.3% | 85.1% | |
| 1992 | 2,617 | 2,290 | 473 | 83 | 349 | 64 | 5,907 | 73,519 | 85,992 | 3.8% | 6.9% | 85.5% | |
| 1993 | 2,892 | 2,227 | 479 | 97 | 364 | 66 | 6,156 | 75,055 | 87,619 | 3.7% | 7.0% | 85.7% | |
| 1994 | 2,683 | 2,315 | 515 | 109 | 338 | 69 | 6,065 | 76,480 | 89,283 | 3.8% | 6.8% | 85.7% | |
| 1995 | 3,205 | 2,420 | 531 | 117 | 294 | 70 | 6,669 | 77,488 | 91,250 | 3.8% | 7.3% | 84.9% | |
| 1996 | 3,590 | 2,467 | 577 | 84 | 316 | 71 | 7,137 | 79,979 | 94,256 | 3.8% | 7.6% | 84.9% | |
| 1997 | 3,640 | 2,350 | 551 | 106 | 325 | 70 | 7,075 | 81,086 | 94,768 | 3.6% | 7.5% | 85.6% | |
| 1998 | 3,297 | 2,175 | 542 | 117 | 328 | 70 | 6,561 | 81,592 | 95,192 | 3.4% | 6.9% | 85.7% | |
| 1999 | 3,268 | 2,224 | 540 | 122 | 331 | 69 | 6,599 | 82,650 | 96,836 | 3.4% | 6.8% | 85.4% | |
| 2000 | 2,811 | 2,257 | 511 | 139 | 317 | 66 | 6,158 | 84,965 | 98,961 | 3.4% | 6.2% | 85.9% | |
| 2001 | 2,242 | 1,980 | 514 | 147 | 311 | 65 | 5,328 | 83,182 | 96,472 | 3.2% | 5.5% | 86.2% | |
| 2002 | 2,689 | 1,899 | 576 | 174 | 328 | 64 | 5,836 | 83,994 | 97,870 | 3.2% | 6.0% | 85.8% | |
| 2003 | 2,825 | 1,929 | 571 | 239 | 331 | 64 | 6,145 | 84,386 | 98,273 | 3.4% | 6.3% | 85.9% | |
| 2004 | 2,690 | 1,989 | 560 | 296 | 341 | 65 | 6,220 | 86,233 | 100,414 | 3.5% | 6.2% | 85.9% | |
| 2005 | 2,715 | 1,944 | 548 | 289 | 352 | 64 | 6,061 | 85,938 | 99,877 | 3.4% | 6.1% | 86.0% | |

Source: [EIA, Annual Energy Review](#)

Figure 6.2 - Percentage of U.S. Renewable and Fossil Fuel Energy Consumption, 1949-2005

